

ABSTRACT OF THE DISCLOSURE ✓

An apparatus and method for cutting rain drainage grooves in a road surface, such as at the edges of the road to form a road marker system. A cutting cylinder rotates about its longitudinal axis, the latter lying in a substantially horizontal plane and at some angle, generally a right angle, to the road direction. The cutting cylinder is mounted on a frame, the latter attached to and carried by an automotive vehicle such as a truck. As the truck travels along the road, the cutting cylinder is moved alternately up and down, into the road surface, and forms the grooves. The cutting cylinder can be slightly tilted, so as to produce grooves of variable width and depth. The truck moves along the road being grooved at a substantially uniform speed. Preferably, the sloping side walls of the grooves are coated with a retro reflective coating. The grooves continuously drain rain so that the retro reflective coating is visible during hours of darkness and rain, to maintain visibility of the road edge to drivers. The grooves also function as a rumble strip.